

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	36903	collet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 07:58
L4	393	1 same ball same socket	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 09:33
L5	11	("2855232"   "4564307"   "4704043"   "5368408"   "6019541"   "6082923"   "6164861"   "6190080"   "6554525"   "6840697").PN. OR ("7073970").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/22 08:34
L6	19	("3154333"   "3506288"   "4577989"   "4690581"   "4971473"   "4986688"   "4995755"   "5395176"   "5564853"   "5697723"   "5704727"   "5772337").PN. OR ("6019541").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/22 08:22
L7	107	thread same collet same ball same socket	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/22 08:25
L10	155	socket same relief same thread same ball	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 08:26
L14	292	403/122.ccls. and thread\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 08:37
L15	99	(threaded with collet) same ball same socket	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 08:38

## EAST Search History

L16	9029	ball same (thread\$2 with socket)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 08:43
L18	15	("2697433"   "3017887"   "3021842"   "3115140"   "4681103"   "4809694"   "4955891"   "5263956").PN. OR ("6328748"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/22 08:57
L19	2341	thread\$2 with ring same ball same socket	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/22 08:58
L20	10	("4194850"   "4318627"   "4650363"   "4714477").PN. OR ("5163773"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/22 09:11
L21	7257	ball same socket same thread	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/22 09:21
L22	1093	606/129,130.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 09:22
L23	98	L22 and (ball same socket)	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/22 09:22
L25	11	("2855232"   "4564307"   "4704043"   "5368408"   "6019541"   "6082923"   "6164861"   "6190080"   "6554525"   "6840697").PN. OR ("7073970").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/22 09:27
L26	19	("3154333"   "3506288"   "4577989"   "4690581"   "4971473"   "4986688"   "4995755"   "5395176"   "5564853"   "5697723"   "5704727"   "5772337").PN. OR ("6019541").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/22 09:28
L27	328	4 and thread\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 09:36

## EAST Search History

L28	561	(thread\$3 with collet) same ball	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 09:36
S1	20	((("3,073,310") or ("4,613,324") or ("4,998,938") or ("5,235,988") or ("5,263,956") or ("5,776,143") or ("5,957,927") or ("6,110,182") or ("6,328,748") or ("6,368,329"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/21 12:17
S2	434	castaneda.IN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 07:57
S3	1092	606/129,130.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/21 17:09
S4	903	Winkel.IN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 18:20
S5	0	("2002/0042605").URPN.	USPAT	OR	ON	2006/09/21 11:01
S6	1353	606/96,98,166.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/21 11:07
S7	6053	deform\$4 with socket	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/21 11:07
S8	40	ball same S7 same guide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/21 11:08

## EAST Search History

S9	11538	ball same socket same guide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/21 11:09
S10	1093	606/129,130.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/21 11:09
S11	46	S9 and (S6 or S10)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/21 11:09
S12	1157	daum.IN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/21 12:19
S13	128	((("4282063") or ("4457186") or ("4867110") or ("4997254") or ("5177970") or ("5223985") or ("5259054") or ("5441756") or ("5472886") or ("5544269") or ("5596456") or ("5666450") or ("5678474") or ("5680851") or ("5812232") or ("5877943") or ("5951035") or ("6136617") or ("6178654") or ("3623782") or ("4012925") or ("4108407") or ("4111229") or ("4256386") or ("4277154") or ("4280211") or ("4291866") or ("4302796") or ("4305177") or ("4305646") or ("4331463") or ("4340005") or ("4340303") or ("4357107") or ("4372655") or ("4373788") or ("4395240") or ("4398790") or ("4429225") or ("4430873") or ("4432416") or ("4435047") or ("4436268") or ("4436390") or ("4437389") or ("4438918") or ("4440389") or ("4446428") or ("4447962") or ("4456261"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/21 12:24

## EAST Search History

S14	15	("2697433"   "3017887"   "3021842"   "3115140"   "4681103"   "4809694"   "4955891"   "5263956").PN. OR ("6328748").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/21 12:26
S15	19	("4805615"   "4955891"   "5116345"   "5529358"   "5695501"   "5810712"   "5891157"   "5891158"   "5961456"   "5971997"   "5984930").PN. OR ("6110182").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/21 12:27
S16	25	("3017887"   "3055370"   "3460537"   "4312337"   "4805615"   "4827940"   "4955891"   "4998938"   "5030223"   "5263956"   "5280427"   "5569266"   "5643286"   "5662111"   "5695501"   "5776143"   "5776144"   "5782842"   "5810841"   "5902239"   "5920395"   "5957933").PN. OR ("6368329").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/21 12:28
S17	1	("2002/0010479").URPN.	USPAT	OR	ON	2006/09/21 12:30
S18	94	("1516795"   "2697433"   "3457922"   "4638798").PN. OR ("4955891").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/21 12:30
S19	0	("2003/0055436").URPN.	USPAT	OR	ON	2006/09/21 12:39
S20	23	("3021842").URPN.	USPAT	OR	ON	2006/09/21 12:39
S21	42	("2697433"   "3017887"   "3115140"   "3457922"   "4805615"   "4809694"   "4955891"   "5030223"   "5163430").PN. OR ("5263956").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/21 12:40

## EAST Search History

S22	193	("1129333"   "1664210"   "2119649"   "2135160"   "3017887"   "3055370"   "3055371"   "3135263"   "3223087"   "3273559"   "3282152"   "3402710"   "3444861"   "3457922"   "3460537"   "3508552"   "3672352"   "3760811"   "4040427"   "4230117"   "4312337"   "4341220"   "4345606"   "4355645"   "4386602"   "4448195"   "4463758"   "4475550"   "4571750"   "4572198"   "4579120"   "4598708"   "4608977"   "4617925"   "4618978"   "4629451"   "4638798"   "4660563"   "4665928"   "4699616"   "4706665"   "4733661"   "4755642"   "4791934"   "4793355"   "4805615"   "4807620"   "4809694"   "4824436"   "4826487"   "4827940"   "4869247"   "4883053"   "4896673"   "4902129"   "4922924"   "4955891"   "4957481"   "4986280"   "4986281"   "4989608"   "4991579"   "4998938"   "5006122"   "5024236"   "5027818"   "5030223"   "5050608"   "5052329"   "5057106"   "5065761"   "5078140"   "5078142"   "5080662"   "5087256"   "5099846"   "5102402"   "5116345"   "5120322"   "5125888"   "5142930"   "5143086"   "5154179"   "5154723"   "5163430"   "5166875"   "5171217"   "5174297"   "5186174"   "5201742"   "5207223"   "5207688"   "5211165"   "5222499"   "5230338"   "5230623"   "5246448"   "5257998"   "5263939"   "5263956"   "5269305"   "5279309"   "5279575"   "5280427"   "5290266"   "5291890"   "5300080"   "5305203"   "5309913"   "5330485"   "5354283"   "5361763"   "5366446"   "5375588"   "5375596"   "5380302"   "5383454"   "5387220"   "5445166"   "5452720"   "5464446"   "5470307"   "5474564"   "5483961"   "5494034") .PN. OR ("5494655"   "5515160"   "5517990"   "5528652"   "5569266"   "5575798"   "5618288"   "5622170"   "5638819"   "5643286"   "5647361"   "5658272"   "5662111"   "5667514"   "5695501"   "5713858"   "5776064"   "5776143"   "5776144"   "5782842"   "5810712"   "5810841"   "5817106"	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/21 12:42
9/22/2006 10:21:47 AM		C:\Documents and Settings\My Documents\My Documents\10671913.wsp				Page 6

## EAST Search History

S23	1093	606/129,130.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/21 17:09
S24	137	S23 and insert and probe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/21 17:09
S25	49	("0421910"   "2537183"   "2664458"   "3017887"   "3073310"   "4704058").PN. OR ("4998938"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/21 17:50
S26	78	((("2,008,340") or ("2,573,791") or ("2,697,433") or ("3,016,899") or ("3,017,887") or ("3,021,842") or ("3,055,370") or ("3,115,140") or ("3,175,558") or ("3,196,875") or ("3,506,013") or ("3,542,002") or ("3,809,096") or ("3,871,376") or ("3,920,001") or ("4,177,797") or ("4,228,796") or ("4,397,315") or ("4,681,103") or ("4,733,661") or ("4,738,678") or ("4,743,240") or ("4,753,647") or ("4,790,840"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/21 17:54
S27	70	((("4,798,212") or ("4,808,175") or ("4,809,694") or ("4,841,967") or ("4,883,053") or ("4,931,052") or ("4,955,891") or ("4,985,019") or ("5,030,223") or ("5,201,742") or ("5,241,710") or ("5,263,956") or ("5,316,014") or ("5,320,628") or ("5,333,619") or ("5,354,283") or ("5,364,361") or ("5,364,367") or ("5,375,588") or ("5,431,622") or ("5,437,640") or ("5,540,675") or ("5,582,605") or ("5,658,272") or ("5,682,892") or ("5,690,108") or ("5,702,375") or ("5,776,143") or ("5,891,127") or ("5,911,707") or ("5,916,229") or ("5,954,670") or ("5,984,930") or ("6,036,632") or ("6,159,221"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/21 17:58

## EAST Search History

S28	45	(("6,195,577") or ("6,206,890") or ("6,248,125") or ("6,251,131") or ("6,265,631") or ("6,267,769") or ("6,267,770") or ("6,320,095") or ("6,328,748") or ("6,406,482") or ("6,425,887") or ("6,432,125") or ("6,454,748") or ("6,475,204") or ("6,482,194") or ("6,494,872") or ("6,533,794") or ("6,554,801") or ("6,579,262") or ("6,579,267") or ("6,599,262") or ("6,605,047") or ("6,605,095")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/21 17:59
S29	38	("3856016"   "4471766"   "4502475"   "4854302"   "4923471"   "4959065"   "4994910"   "5199417"   "5334150"   "5373840"   "5377668"   "5423826"   "5558669"   "5569160"   "5641287"   "5658236"   "5667475"   "5667478"   "5690631"   "5700267"   "5700275"   "5702463"   "5725523"   "5732992"   "D320414").PN. OR ("5957927").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/21 18:12